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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.
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09/095,032 06/10/98 MOSGROVE

R INPA.221

EXAMINER

TM02/0713

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ART UNIT

PAPER NUMBER

2181

DATE MAILED:

07/13/01

**Please find below and/or attached an Office communication concerning this application or proceeding.**

**Commissioner of Patents and Trademarks**

# Office Action Summary

Application No.

09/095,032

Applicant(s)

MOSGROVE, RONALD L.

Examiner

Sumati Lefkowitz

Art Unit

2181

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

## Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

## Status

- 1) ☒ Responsive to communication(s) filed on 30 April 1999.
- 2a) ☐ This action is FINAL. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

## Disposition of Claims

- 4) ☒ Claim(s) 1-46 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-46 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

## Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☒ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) ☐ The proposed drawing correction filed on \_\_\_\_\_ is: a) ☐ approved b) ☐ disapproved by the Examiner.
- If approved, corrected drawings are required in reply to this Office action.
- 12) ☐ The oath or declaration is objected to by the Examiner.

## Priority under 35 U.S.C. §§ 119 and 120

- 13) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- \* See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
- a) ☐ The translation of the foreign language provisional application has been received.
- 15) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

## Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☒ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449) Paper No(s) \_\_\_\_\_.
- 4) ☐ Interview Summary (PTO-413) Paper No(s). \_\_\_\_\_.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: \_\_\_\_\_.

### **DETAILED ACTION**

1. Claims 1-46 are pending.

#### ***Drawings***

2. The drawings are objected to because:
  - in Figures 1, 3, 4, 5, 7, 8, 9, 10, 12, the blocks and buses are not labeled with descriptive legendsCorrection is required.

#### ***Specification***

3. The abstract of the disclosure is objected to because it fails to mention mapping GUIDs to physical addresses/ids. Correction is required. See MPEP § 608.01(b).

#### ***Claim Rejections - 35 USC § 102***

4. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in a patent granted on an application for patent by another filed in the United States before the invention thereof by the applicant for patent, or on an international application by another who has fulfilled the requirements of paragraphs (1), (2), and (4) of section 371(c) of this title before the invention thereof by the applicant for patent.

5. Claims 1-9, 13-21, 25-28, 31-32, 33-37, and 40-44 are rejected under 35 U.S.C. 102(e) as being anticipated by Ogino et al., 6,038,625 (hereinafter Ogino).

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a. As to claims 1-9, 13-21, 25-28, 31-32, 33-37, and 40-44, Ogino discloses a bus system comprising a dynamically configurable bus, a first bus device on the bus at a first virtual address and a first physical address, a second bus device on the bus at a second virtual address and a second physical address, and a map of the first and second virtual addresses to the first and second physical addresses, respectively, encoded on a program storage medium, the map being accessible over the bus, wherein the map resides on at least one of the first and second bus devices, wherein at least one of the first and second bus devices is a bus manager, wherein the bus manager comprises one of a workstation and a personal computer, wherein the map is stored on the bus manager, wherein the bus system implements a network, wherein at least one of the first and second bus devices is selected from the group comprising a printer, a plotter, a workstation, a personal computer, a video camera, and a magnetic tape drive, wherein the map is encoded as a structure from the group of an array, a doubly linked list, a tree, a table, and a file (note abstract, Figures 10A, 10B, 11A, 11B, 13, 15A, 15B, 15C, 15D, 15E, column 2, line 35 – column 3, line 54, column 6, lines 12-27, column 11, lines 4-21, column 22, line 11 – column 27, line 6).

***Claim Rejections - 35 USC § 103***

6. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

7. Claims 10-12, 22-24, 29 30, 38, 39, 45, and 46 are rejected under 35 U.S.C. 103(a) as being unpatentable over Ogino et al., 6,038,625.

a. As to claims 10, 22, 30, 38, and 45, Ogino fails to disclose that the map is bi-directional.

Examiner takes Official Notice that bi-directional maps are well known in the art of address/id mapping.

It would have been obvious to one of ordinary skill in the art at the time of the invention to employ the use of a bi-directional map in the system of Ogino so as to provide more flexibility in accessing the map by allowing the data in the map to be indexed with more than one index.

b. As to claims 11, 12, 23, and 24, discloses that the bus is dynamically configurable (note column 11, lines 4-21), but fails to disclose that it includes first and second buses coupled by a bridge.

Examiner takes Official Notice that first and second buses coupled by a bridge are well known in the art of bus communications.

It would have been obvious to one of ordinary skill in the art at the time of the invention to employ the use of first and second buses coupled to a bridge to expand the capabilities of the system by allowing more buses, and therefore more devices, to be coupled to the system, with the bridge insuring that buses will not be overloaded.

c. As to claims 29, 39, and 46, the claimed elements have already been discussed with respect to claims 11, 12, 23, and 24, with the exception of the mapping being performed

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only for the bus devices on the particular one of the first and second dynamically configurable buses experiencing a configuration event.

Ogino discloses that update events are local (note column 12, lines 21-37), which means that mapping is performed only for the bus devices experiencing a configuration event.

### *Conclusion*

8. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure, as the art discloses mapping GUIDs to physical addresses.

US Patents: 6,160,796 Zou

6,026,354 Singh et al.

9. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Sumati Lefkowitz whose telephone number is 703-308-7790.

The examiner can normally be reached on Monday-Friday, from 6:45-3:15.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Robert W Beausoliel can be reached on Monday-Friday at 703-305-9713. The fax phone numbers for the organization where this application or proceeding is assigned are 703-308-6296 for regular communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703-3900.

Sumati Lefkowitz  
July 11, 2001

  
**SUMATI LEFKOWITZ**  
**PRIMARY EXAMINER**